

MAINTENANCE OF TRAFFIC SUGGESTED STAGING

**PRE-STAGE**

**CONSTRUCTION:**

1. CONSTRUCT PROPOSED MEDIAN DRAINAGE STRUCTURES AND STORM SEWER PAVEMENT CROSSINGS AND TEMPORARY PAVEMENT PATCHES, THAT THE ENGINEER CONCURS MUST BE CONSTRUCTED IN ADVANCE OF SUBSEQUENT CONSTRUCTION STAGES, PRIOR TO STARTING THE TEMPORARY PAVEMENT CONSTRUCTION.
2. CONSTRUCT TEMPORARY DITCHES, SWALES, AND PIPE CULVERTS AS REQUIRED TO MAINTAIN DRAINAGE.
3. CONSTRUCT TEMPORARY PAVEMENT WIDENING AND SHOULDERS ADJACENT TO BOTH SIDES OF THE EXISTING SB MANNHEIM RD TRAFFIC LANES FOR NB & SB TRAFFIC USE DURING STAGE 1.
4. CONSTRUCT TEMPORARY PAVEMENT WIDENING AND SHOULDER ADJACENT TO THE MEDIAN SIDE OF EXISTING NB MANNHEIM RD TRAFFIC LANES FOR NB TRAFFIC ACCESS TO I-190 INTERCHANGE RAMP.
5. CONSTRUCT TEMPORARY CURB AND GUTTER AND TEMPORARY PAVEMENT WIDENING ADJACENT TO ZEMKE BLVD/BESSIE COLEMAN DR AND HIGGINS RD.
6. CONSTRUCT TEMPORARY TRAFFIC SIGNALS AT ZEMKE RD AND HIGGINS RD.

**TRAFFIC CONTROL:**

1. MAINTAIN TRAFFIC ON EXISTING PAVEMENT.
2. ESTABLISH TRAFFIC CONTROL & PROTECTION IN ACCORDANCE WITH THE APPLICABLE HIGHWAY STANDARDS FOR A MULTILANE TEMPORARY ONE LANE CLOSURE DURING THE ALLOWABLE LANE CLOSURE HOURS SPECIFIED IN THE SPECIAL PROVISION FOR KEEPING ARTERIAL ROADWAYS OPEN TO TRAFFIC.

**STAGE 1**

**CONSTRUCTION:**

1. CONSTRUCT NB MANNHEIM RD PAVEMENT AND SHOULDER AND TEMPORARY PAVEMENT AS SHOWN ON THE PLANS.
2. CONSTRUCT WB I-190 TO NB MANNHEIM RD ENTRANCE TERMINAL AS SHOWN ON THE PLANS.
3. CONSTRUCT WESTBOUND ZEMKE RD AND HIGGINS RD PAVEMENT, CURB AND GUTTER AS SHOWN ON THE PLANS.

**TRAFFIC CONTROL:**

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR
2. ESTABLISH TRAFFIC CONTROL & PROTECTION FOR STAGE 1 AND ALL SUBSEQUENT STAGES AND SUB-STAGES IN ACCORDANCE WITH THE APPLICABLE HIGHWAY STANDARDS AND THE SPECIAL PROVISION FOR KEEPING ARTERIAL ROADWAYS OPEN TO TRAFFIC.
3. INSTALL VERTICAL PANELS, REMOVE CONFLICTING PAVEMENT MARKING, INSTALL TEMPORARY PAVEMENT MARKING EDGE LINES AND LANE LINES FOR SB MANNHEIM RD STAGE 1 TRAFFIC CONFIGURATION.
4. SHIFT SB TRAFFIC TO WIDENED EXISTING SB PAVEMENT BETWEEN I-190 AND HIGGINS RD.
5. PLACE TEMPORARY CONCRETE BARRIER, REMOVE CONFLICTING PAVEMENT MARKING, INSTALL EDGE LINES AND LANE LINES FOR NB MANNHEIM RD STAGE 1 TRAFFIC CONFIGURATION.
6. ERECT DETOUR SIGNING FOR WB I-190 TO NB MANNHEIM RD RAMP TRAFFIC AS SHOWN ON THE PLANS.
7. SHIFT NB MANNHEIM RD TRAFFIC TO WIDENED EXISTING SB PAVEMENT AS SHOWN ON THE PLANS.
8. CLOSE WB I-190 TO NB MANNHEIM RD EXIT RAMP. DETOUR WB I-190 TO NB MANNHEIM RD RAMP TRAFFIC AS SHOWN ON THE PLANS.
9. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON EXISTING SB PAVEMENT.
10. MAINTAIN ONE AUXILIARY LANE OF TRAFFIC FOR A COLLECTOR-DISTRIBUTOR ROADWAY (C-D ROADWAY) IN THE NB DIRECTION FOR TRAFFIC ACCESS TO I-190 AT MANNHEIM RD INTERCHANGE.

**STAGE 1 - SUB-STAGE A**

**CONSTRUCTION:**

1. CONSTRUCT NB MANNHEIM RD PAVEMENT AND SHOULDER AS SHOWN ON THE PLANS.
2. CONSTRUCT NB MANNHEIM RD TO WB I-190 EXIT RAMP TERMINAL AS SHOWN ON THE PLANS.
3. CONSTRUCT ZEMKE BLVD/BESSIE COLEMAN DR AND HIGGINS RD PAVEMENT AS SHOWN ON THE PLANS.

**TRAFFIC CONTROL:**

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR.
2. ERECT DETOUR SIGNING FOR NB MANNHEIM RD TO WB I-190 RAMP TRAFFIC AS SHOWN ON THE PLANS.
3. OPEN WB I-190 TO NB MANNHEIM RD RAMP TO TRAFFIC AND REMOVE DETOUR SIGNING.
4. CLOSE NB MANNHEIM RD TO WB I-190 EXIT RAMP. DETOUR NB MANNHEIM RD TO WB I-190 RAMP TRAFFIC AS SHOWN ON THE PLANS.
5. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON EXISTING SB PAVEMENT.

**STAGE 1 - SUB-STAGE B**

**CONSTRUCTION:**

1. CONTINUE CONSTRUCTION OF NB MANNHEIM RD PAVEMENT AND SHOULDER/CURB AND GUTTER AS SHOWN ON THE PLANS.
2. CONSTRUCT EB PORTION OF ZEMKE BLVD/BESSIE COLEMAN DR AND HIGGINS RD PAVEMENT AS SHOWN ON THE PLANS.

**TRAFFIC CONTROL:**

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR
2. OPEN NB C-D ROADWAY TO TRAFFIC AS SHOWN ON THE PLANS.
3. OPEN NB MANNHEIM RD TO WB I-190 RAMP TO TRAFFIC AND REMOVE DETOUR SIGNING.
4. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON EXISTING SB PAVEMENT.

**STAGE 1 - SUB-STAGE BB**

**CONSTRUCTION:**

1. CONTINUE CONSTRUCTION OF NB MANNHEIM RD PAVEMENT AND SHOULDERS/CURB AND GUTTER AS SHOWN ON THE PLANS.
2. CONSTRUCT SOUTH PORTION OF HIGGIN RD PAVEMENT AS SHOWN ON THE PLANS.

**TRAFFIC CONTROL:**

1. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON EXISTING SB PAVEMENT.
2. MAINTAIN C-D ROADWAY IN NB DIRECTION.

**STAGE 1 - SUB-STAGE C**

**CONSTRUCTION:**

1. CONSTRUCT MANNHEIM RD PAVEMENT AND TEMPORARY PAVEMENT AS SHOWN ON THE PLANS.

**TRAFFIC CONTROL:**

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR
2. SHIFT NB MANNHEIM RD TRAFFIC FROM THE TEMPORARY WIDENED SB PAVEMENT TO THE NEW NB PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.

3. MAINTAIN TWO LANES OF TRAFFIC IN THE SB DIRECTION OF MANNHEIM RD ON EXISTING SB PAVEMENT.
4. MAINTAIN TWO LANES OF TRAFFIC IN THE NB DIRECTION OF MANNHEIM RD ON NEW NB PAVEMENT AND SHOULDERS.

**STAGE 1 - SUB-STAGE D**

**CONSTRUCTION:**

1. CONTINUE CONSTRUCTION OF MANNHEIM RD PAVEMENT AND TEMPORARY PAVEMENT AS SHOWN ON THE PLANS.

**TRAFFIC CONTROL:**

1. MAINTAIN TWO LANES OF TRAFFIC IN THE SB DIRECTION OF MANNHEIM RD ON EXISTING SB PAVEMENT.
2. MAINTAIN TWO LANES OF TRAFFIC IN THE NB DIRECTION OF MANNHEIM RD ON NEW NB PAVEMENT AND SHOULDERS.

**STAGE 2**

**CONSTRUCTION:**

1. CONSTRUCT SB PAVEMENT AND SHOULDER/CURB AND GUTTER AS SHOWN ON THE PLANS.
2. CONSTRUCT ZEMKE BLVD AND HIGGINS RD PAVEMENT AS SHOWN ON THE PLANS.

**TRAFFIC CONTROL:**

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR
2. SHIFT SB MANNHEIM RD TRAFFIC FROM THE TEMPORARY WIDENED SB PAVEMENT TO THE NEW NB PAVEMENT AND SHOULDERS AS SHOWN ON THE PLANS.
3. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON NEW NB PAVEMENT AND SHOULDERS.
4. MAINTAIN ONE AUXILIARY LANE OF TRAFFIC FOR A COLLECTOR-DISTRIBUTOR ROADWAY (C-D ROADWAY) IN THE SB DIRECTION FOR TRAFFIC ACCESS TO I-190 AT MANNHEIM RD INTERCHANGE.

**STAGE 2 - SUB-STAGE A**

**CONSTRUCTION:**

1. CONTINUE CONSTRUCTION OF SB PAVEMENT AND SHOULDER/CURB AND GUTTER AS SHOWN ON THE PLANS.
2. CONSTRUCT WB I-190 TO SB MANNHEIM RD ENTRANCE RAMP TERMINAL AS SHOWN ON THE PLANS.
3. CONSTRUCT ZEMKE RD AND HIGGINS RD PAVEMENT AS SHOWN ON THE PLANS.

**TRAFFIC CONTROL:**

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR
2. ERECT DETOUR SIGNING FOR WB I-190 TO SB MANNHEIM RD RAMP TRAFFIC AS SHOWN ON THE PLANS.
3. CLOSE WB I-190 TO SB MANNHEIM RD EXIT RAMP. DETOUR WB I-190 TO SB MANNHEIM RD RAMP TRAFFIC AS SHOWN ON THE PLANS.
4. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON NEW NB PAVEMENT AND SHOULDERS.

**STAGE 2 - SUB-STAGE B**

**CONSTRUCTION:**

1. CONTINUE CONSTRUCTION OF SB PAVEMENT AND SHOULDER/CURB AND GUTTER AS SHOWN ON THE PLANS.
2. CONSTRUCT PORTION OF ZEMKE RD AND HIGGINS RD PAVEMENT AS SHOWN ON THE PLANS.

**TRAFFIC CONTROL:**

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR
2. SHIFT SB MANNHEIM RD TRAFFIC FROM THE NEW NB PAVEMENT AND SHOULDERS TO THE NEW SB PAVEMENT AT THE I-190 INTERCHANGE AS SHOWN ON THE PLANS.
3. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD ON NEW NB PAVEMENT AND SHOULDERS AT LOCATIONS AWAY FROM THE I-190 INTERCHANGE AS SHOWN ON THE PLANS.
4. OPEN WB I-190 TO SB MANNHEIM RD ENTRANCE RAMP TO TRAFFIC AND REMOVE DETOUR SIGNING.
5. ERECT DETOUR SIGNING FOR SB MANNHEIM RD TO WB I-190 RAMP TRAFFIC AS SHOWN ON THE PLANS.
6. CLOSE SB MANNHEIM RD TO WB I-190 EXIT RAMP. DETOUR SB MANNHEIM RD TO WB I-190 RAMP TRAFFIC AS SHOWN ON THE PLANS.

**STAGE 2 - SUB-STAGE C**

**CONSTRUCTION:**

1. CONTINUE CONSTRUCTION OF SB PAVEMENT AND SHOULDER/CURB AND GUTTER.
2. CONSTRUCT HIGGINS RD PAVEMENT AS SHOWN ON THE PLANS.

**TRAFFIC CONTROL:**

1. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD AS SHOWN ON THE PLANS.

**STAGE 2 - SUB-STAGE D**

**CONSTRUCTION:**

1. CONTINUE CONSTRUCTION OF SB PAVEMENT AND SHOULDER/CURB AND GUTTER AS SHOWN ON THE PLANS.
2. CONSTRUCT HIGGINS RD PAVEMENT AS SHOWN ON THE PLANS.

**TRAFFIC CONTROL:**

1. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD AS SHOWN ON THE PLANS.

**STAGE 2 - SUB-STAGE E**

**CONSTRUCTION:**

1. CONTINUE CONSTRUCTION OF SB PAVEMENT AND SHOULDER/CURB AND GUTTER AS SHOWN ON THE PLANS.
2. CONSTRUCT HIGGINS RD PAVEMENT AS SHOWN ON THE PLANS.

**TRAFFIC CONTROL:**

1. MAINTAIN TWO LANES OF TRAFFIC IN EACH DIRECTION OF MANNHEIM RD AS SHOWN ON THE PLANS.

**STAGE 3**

**CONSTRUCTION:**

1. CONSTRUCT MEDIAN SHOULDER AND CONCRETE BARRIER WALL OR MEDIAN CURB AND GUTTER AND MEDIAN LANDSCAPING AS SHOWN ON THE PLANS.

**TRAFFIC CONTROL:**

1. COORDINATE MAINTENANCE OF TRAFFIC WITH ADJACENT CONTRACTOR.
2. SHIFT SB MANNHEIM RD TRAFFIC FROM THE NEW NB PAVEMENT TO THE NEW SB OUTSIDE PAVEMENT LANES 2 AND 3 AS SHOWN ON THE PLANS.
3. SHIFT NB MANNHEIM RD TRAFFIC FROM THE NB PAVEMENT AND SHOULDER TO THE NB OUTSIDE PAVEMENT LANES 2 AND 3 AS SHOWN ON THE PLANS.

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MAINTENANCE OF TRAFFIC  
SUGGESTED STAGING**

SCALE: N.T.S. SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	0105-WRS	COOK	537	83
CONTRACT NO.			60P35	
ILLINOIS FED. AID PROJECT				

**MOT-02**